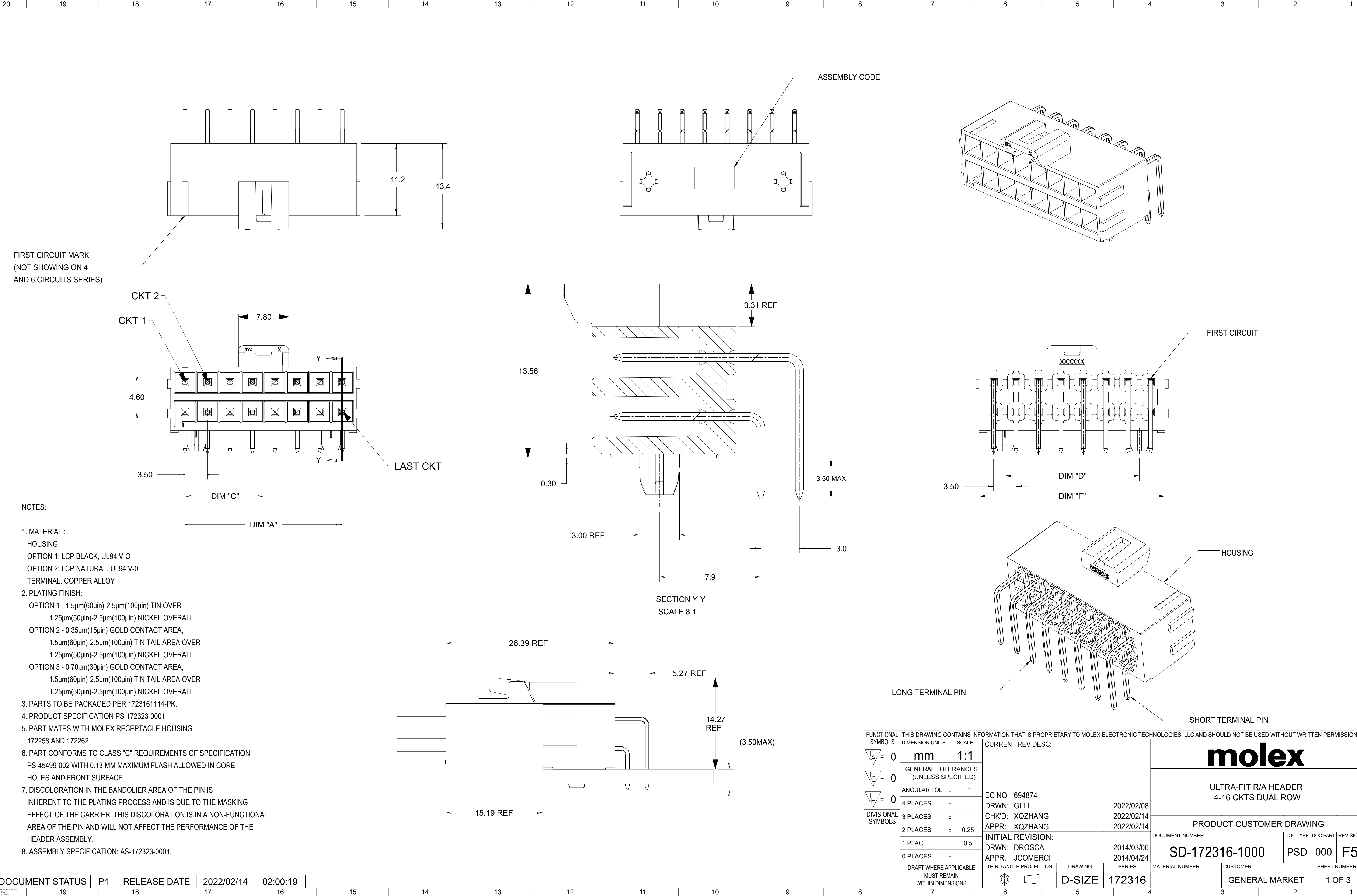
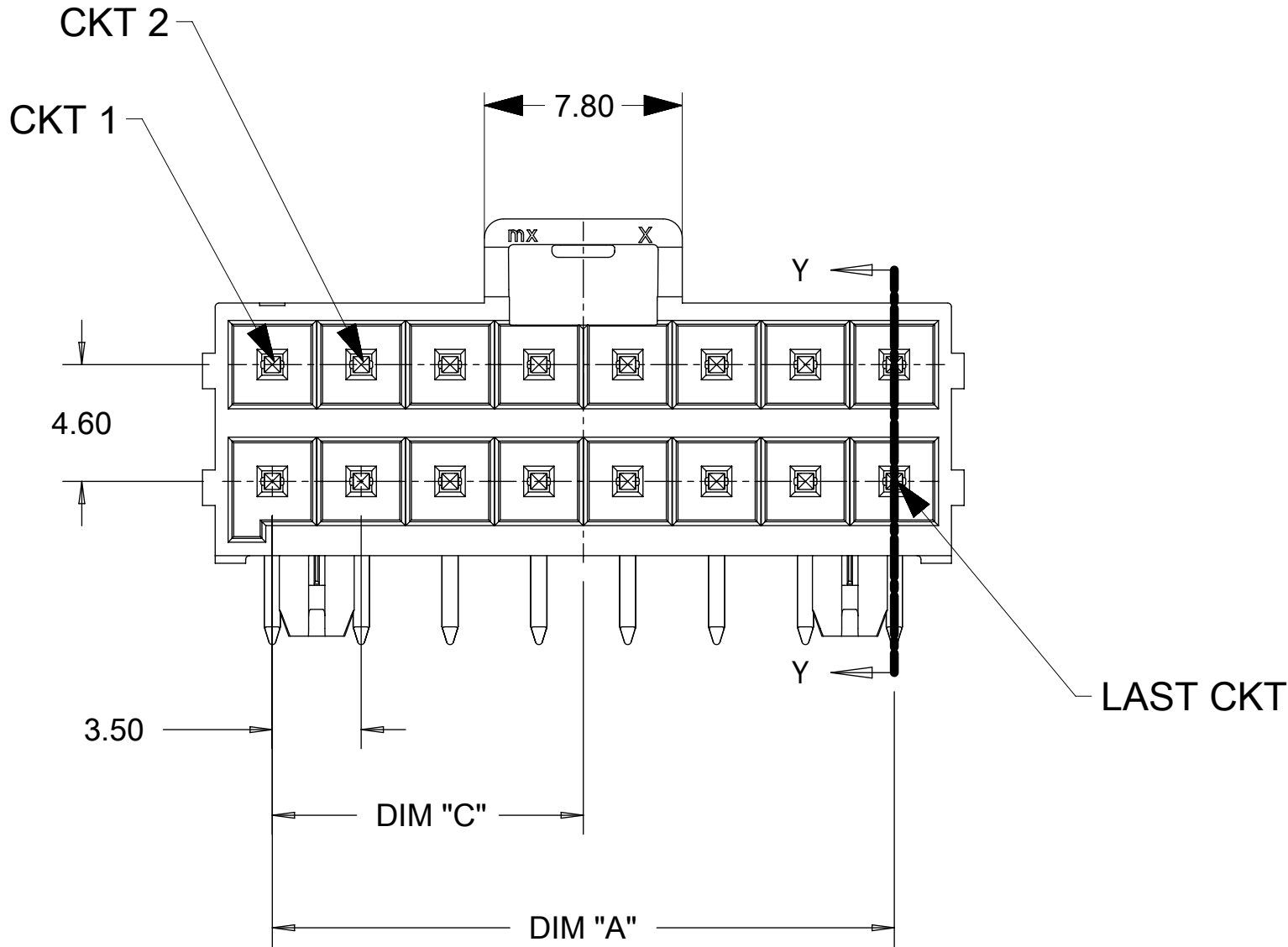




FIRST CIRCUIT MARK  
(NOT SHOWING ON 4  
AND 6 CIRCUITS SERIES)

ASSEMBLY CODE



NOTES:

- MATERIAL :  
HOUSING  
OPTION 1: LCP BLACK, UL94 V-0  
OPTION 2: LCP NATURAL, UL94 V-0  
TERMINAL: COPPER ALLOY
- PLATING FINISH:  
OPTION 1 - 1.5µm(60µin)-2.5µm(100µin) TIN OVER  
1.25µm(50µin)-2.5µm(100µin) NICKEL OVERALL  
OPTION 2 - 0.35µm(15µin) GOLD CONTACT AREA,  
1.5µm(60µin)-2.5µm(100µin) TIN TAIL AREA OVER  
1.25µm(50µin)-2.5µm(100µin) NICKEL OVERALL  
OPTION 3 - 0.70µm(30µin) GOLD CONTACT AREA,  
1.5µm(60µin)-2.5µm(100µin) TIN TAIL AREA OVER  
1.25µm(50µin)-2.5µm(100µin) NICKEL OVERALL
- PARTS TO BE PACKAGED PER 1723161114-PK.
- PRODUCT SPECIFICATION PS-172323-0001
- PART MATES WITH MOLEX RECEPTACLE HOUSING  
172258 AND 172262
- PART CONFORMS TO CLASS "C" REQUIREMENTS OF SPECIFICATION  
PS-45499-002 WITH 0.13 MM MAXIMUM FLASH ALLOWED IN CORE  
HOLES AND FRONT SURFACE.
- DISCOLORATION IN THE BANDOLIER AREA OF THE PIN IS  
INHERENT TO THE PLATING PROCESS AND IS DUE TO THE MASKING  
EFFECT OF THE CARRIER. THIS DISCOLORATION IS IN A NON-FUNCTIONAL  
AREA OF THE PIN AND WILL NOT AFFECT THE PERFORMANCE OF THE  
HEADER ASSEMBLY.
- ASSEMBLY SPECIFICATION: AS-172323-0001.

SECTION Y-Y  
SCALE 8:1

FIRST CIRCUIT

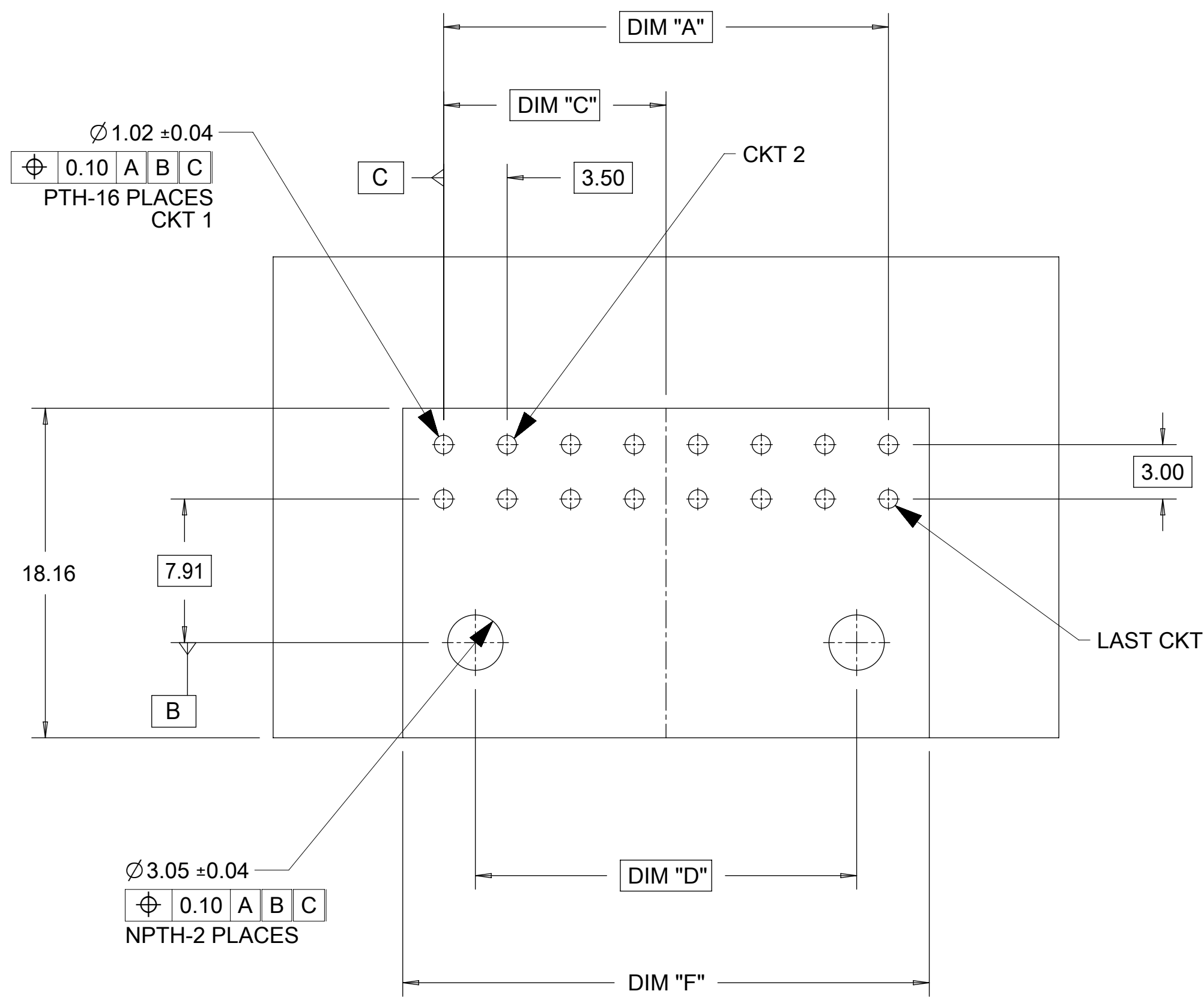
HOUSING

LONG TERMINAL PIN

SHORT TERMINAL PIN

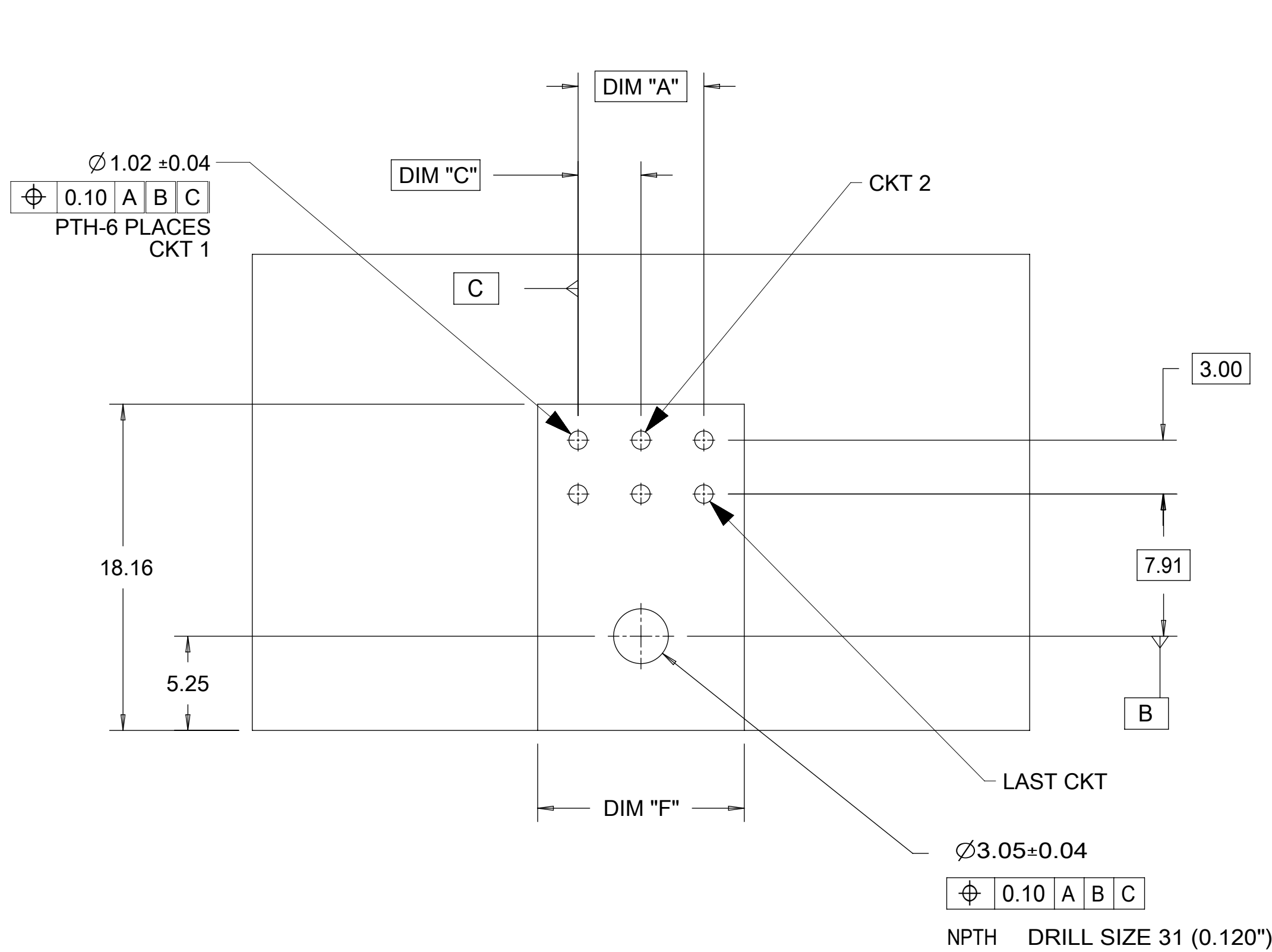
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                       |  |         |  |                                                                                                                                        |  |                 |  |                                            |  |                 |  |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------|--|---------|--|----------------------------------------------------------------------------------------------------------------------------------------|--|-----------------|--|--------------------------------------------|--|-----------------|--|--------------|--|
| FUNCTIONAL SYMBOLS                                                                                                                            |  | DIMENSION UNITS                       |  | SCALE   |  | CURRENT REV DESC:                                                                                                                      |  |                 |  | <div>molex</div>                           |  |                 |  |              |  |
|                                                                                                                                               |  | mm                                    |  | 1:1     |  |                                                                                                                                        |  |                 |  |                                            |  |                 |  |              |  |
|                                                                                                                                               |  | GENERAL TOLERANCES (UNLESS SPECIFIED) |  |         |  | <div>EC NO: 694874<br/>DRWN: GLLI<br/>CHK'D: XQZHANG<br/>APPR: XQZHANG<br/>INITIAL REVISION:<br/>DRWN: DROSCA<br/>APPR: JCOMERCI</div> |  |                 |  | ULTRA-FIT R/A HEADER<br>4-16 CKTS DUAL ROW |  |                 |  |              |  |
|                                                                                                                                               |  | ANGULAR TOL ± °                       |  |         |  |                                                                                                                                        |  |                 |  |                                            |  |                 |  |              |  |
|                                                                                                                                               |  | 4 PLACES                              |  | ±       |  |                                                                                                                                        |  |                 |  |                                            |  |                 |  |              |  |
| DIVISIONAL SYMBOLS                                                                                                                            |  | 3 PLACES                              |  | ±       |  |                                                                                                                                        |  |                 |  |                                            |  |                 |  |              |  |
|                                                                                                                                               |  | 2 PLACES                              |  | ± 0.25  |  |                                                                                                                                        |  |                 |  |                                            |  |                 |  |              |  |
|                                                                                                                                               |  | 1 PLACE                               |  | ± 0.5   |  |                                                                                                                                        |  |                 |  |                                            |  |                 |  |              |  |
|                                                                                                                                               |  | 0 PLACES                              |  | ±       |  |                                                                                                                                        |  |                 |  |                                            |  |                 |  |              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS                                                                                       |  | THIRD ANGLE PROJECTION                |  | DRAWING |  |                                                                                                                                        |  |                 |  | SERIES                                     |  | DOCUMENT NUMBER |  | DOC TYPE     |  |
|                                                                                                                                               |  |                                       |  | D-SIZE  |  | 172316                                                                                                                                 |  | SD-172316-1000  |  | PSD                                        |  | 000             |  | F5           |  |
|                                                                                                                                               |  |                                       |  |         |  |                                                                                                                                        |  | MATERIAL NUMBER |  | CUSTOMER                                   |  |                 |  | SHEET NUMBER |  |
|                                                                                                                                               |  |                                       |  |         |  |                                                                                                                                        |  |                 |  | GENERAL MARKET                             |  |                 |  | 1 OF 3       |  |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/02/14 | 02:00:19 |
|-----------------|----|--------------|------------|----------|
|-----------------|----|--------------|------------|----------|



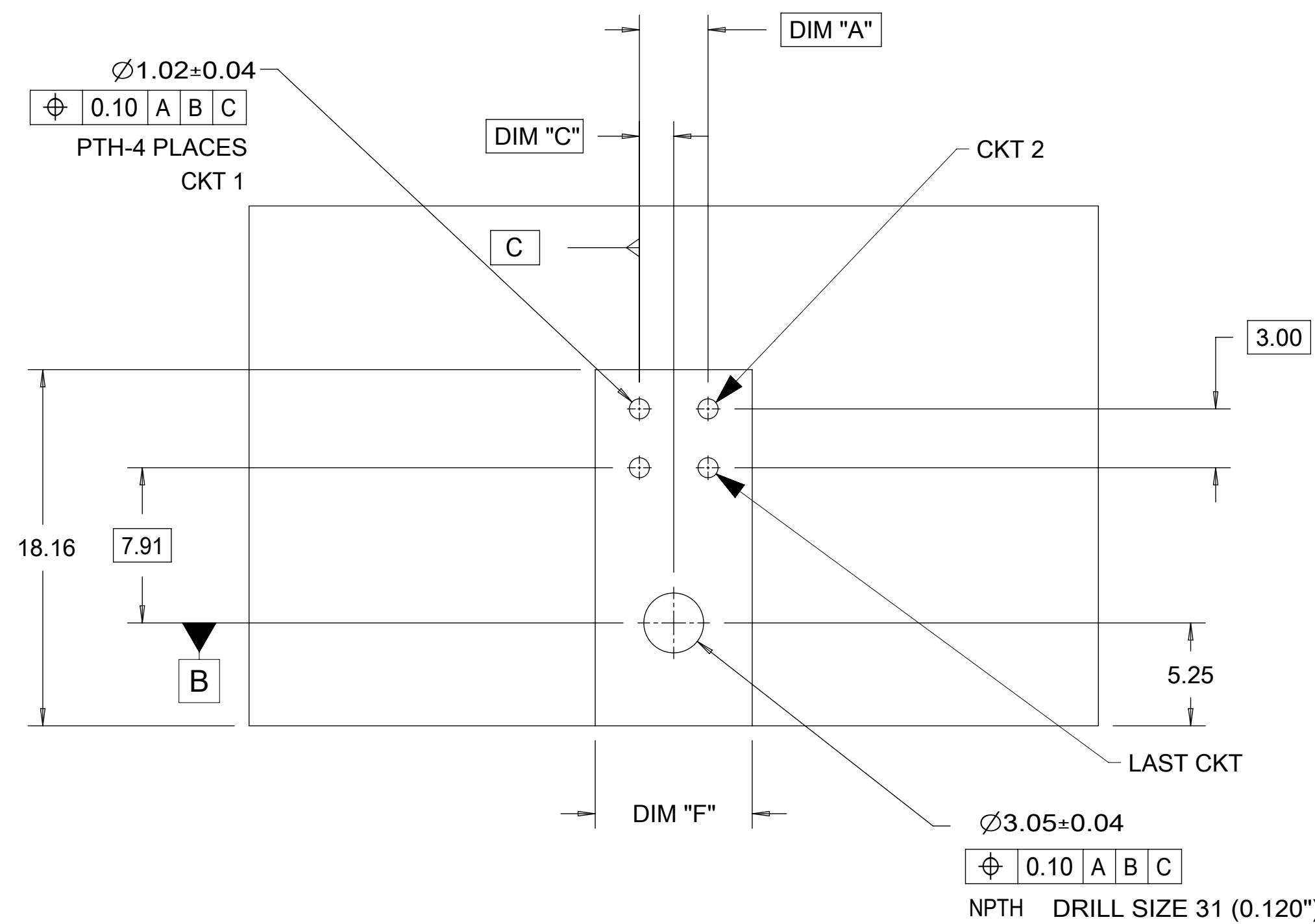
PCB LAYOUT COMPONENT SIDE  
RECOMENDED PCB THICKNESS 1.60MM-2.40MM

Top2



PCB LAYOUT 3 CIRCUIT COMPONENT SIDE  
RECOMENDED PCB THICKNESS 1.60MM-2.40MM

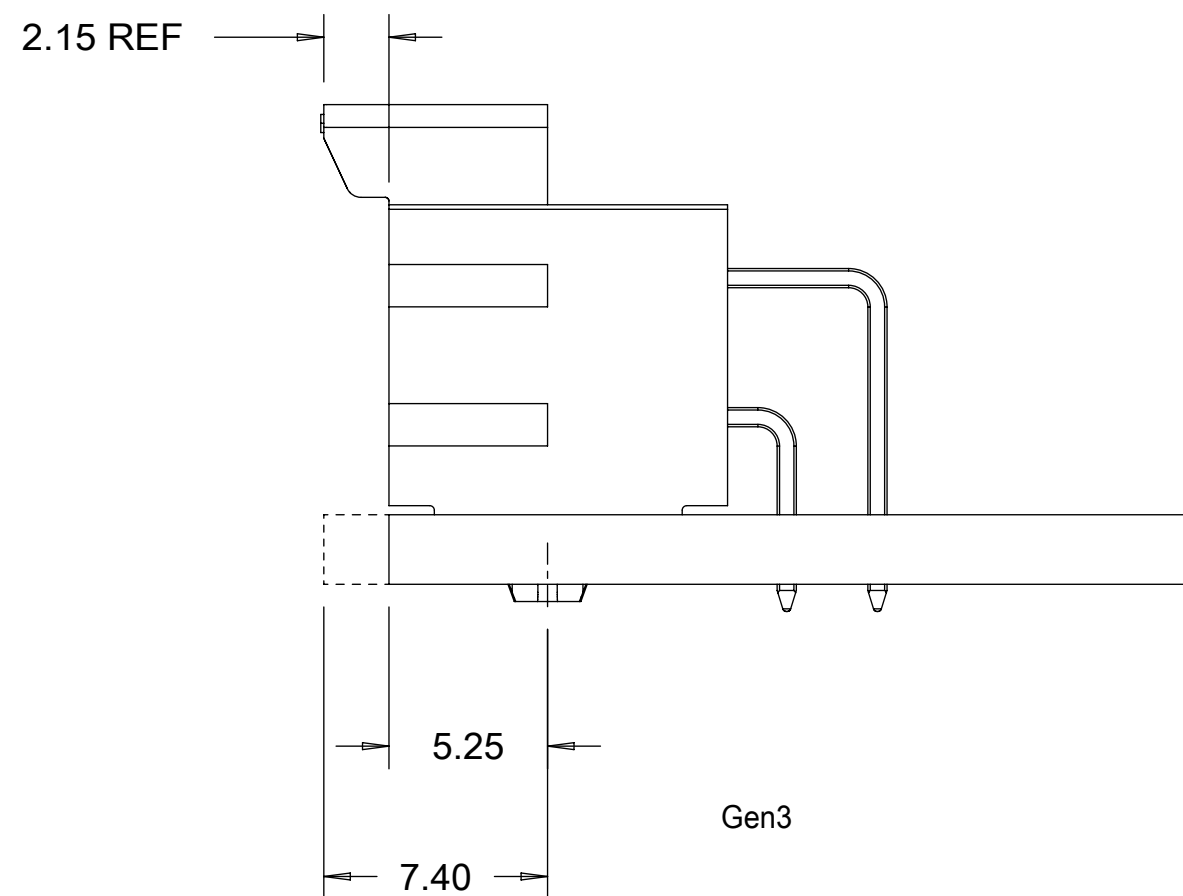
Right1



PCB LAYOUT 2 CIRCUIT COMPONENT SIDE  
RECOMENDED PCB THICKNESS 1.60MM-2.40MM

Right2

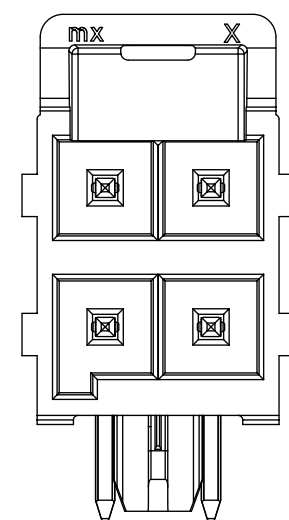
NOTE: DATUM -A- IS ON COMPONENT SIDE PCB



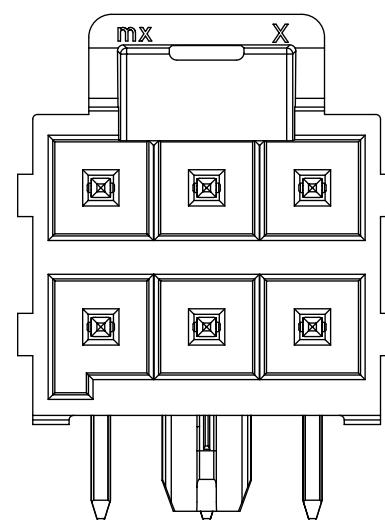
### OPTION 1: LATCH FLUSH WITH PCB EDGE

### OPTION 2: HOUSING BODY FLUSH WITH PCB EDGE

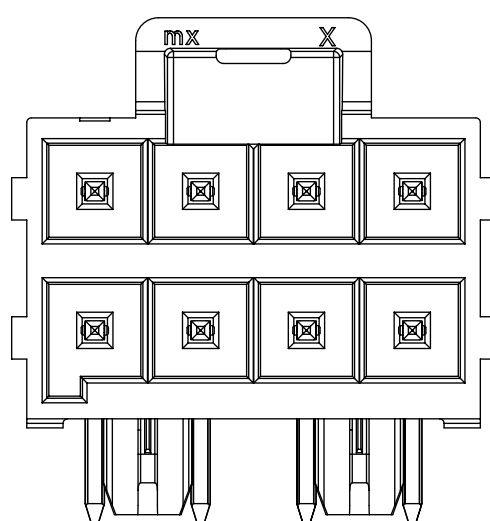
|                                                      |                                                                                                                                               |                                       |        |  |                                   |               |  |                          |                                            |        |  |                 |  |                |  |          |  |              |  |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------|--|-----------------------------------|---------------|--|--------------------------|--------------------------------------------|--------|--|-----------------|--|----------------|--|----------|--|--------------|--|
| FUNCTIONAL SYMBOLS                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                       |        |  |                                   |               |  |                          |                                            |        |  |                 |  |                |  |          |  |              |  |
|                                                      | DIMENSION UNITS                                                                                                                               |                                       | SCALE  |  | CURRENT REV DESC:                 |               |  | <div>molex</div>         |                                            |        |  |                 |  |                |  |          |  |              |  |
|                                                      | mm                                                                                                                                            |                                       | 1:1    |  |                                   |               |  |                          |                                            |        |  |                 |  |                |  |          |  |              |  |
|                                                      | <div><div>F</div><div>A</div><div>= 0</div></div>                                                                                             | GENERAL TOLERANCES (UNLESS SPECIFIED) |        |  |                                   | EC NO: 694874 |  |                          | ULTRA-FIT R/A HEADER<br>4-16 CKTS DUAL ROW |        |  |                 |  |                |  |          |  |              |  |
| <div><div>F</div><div>E</div><div>= 0</div></div>    | ANGULAR TOL ± °                                                                                                                               |                                       |        |  |                                   |               |  |                          |                                            |        |  |                 |  |                |  |          |  |              |  |
| <div><div>F</div><div>D</div><div>= 0</div></div>    | 4 PLACES                                                                                                                                      |                                       | ±      |  | DRWN: GLLI 2022/02/08             |               |  | PRODUCT CUSTOMER DRAWING |                                            |        |  |                 |  |                |  |          |  |              |  |
| DIVISIONAL SYMBOLS                                   | 3 PLACES                                                                                                                                      |                                       | ±      |  | CHK'D: XQZHANG 2022/02/14         |               |  |                          |                                            |        |  |                 |  |                |  |          |  |              |  |
|                                                      | 2 PLACES                                                                                                                                      |                                       | ± 0.25 |  | APPR: XQZHANG 2022/02/14          |               |  |                          |                                            |        |  |                 |  |                |  |          |  |              |  |
|                                                      | 1 PLACE                                                                                                                                       |                                       | ± 0.5  |  | INITIAL REVISION:                 |               |  |                          |                                            |        |  |                 |  |                |  |          |  |              |  |
|                                                      | 0 PLACES                                                                                                                                      |                                       | ±      |  | DRWN: DROSCA 2014/03/06           |               |  |                          |                                            |        |  |                 |  |                |  |          |  |              |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                                                                                                                                               |                                       |        |  | THIRD ANGLE PROJECTION            |               |  | DRAWING                  |                                            | SERIES |  | DOCUMENT NUMBER |  | DOC TYPE       |  | DOC PART |  | REVISION     |  |
|                                                      |                                                                                                                                               |                                       |        |  | <div><div></div><div></div></div> |               |  | D-SIZE                   |                                            | 172316 |  | SD-172316-1000  |  | PSD            |  | 000      |  | F5           |  |
|                                                      |                                                                                                                                               |                                       |        |  | <div><div></div><div></div></div> |               |  |                          |                                            |        |  | MATERIAL NUMBER |  | CUSTOMER       |  |          |  | SHEET NUMBER |  |
|                                                      |                                                                                                                                               |                                       |        |  |                                   |               |  |                          |                                            |        |  |                 |  | GENERAL MARKET |  |          |  | 2 OF 3       |  |



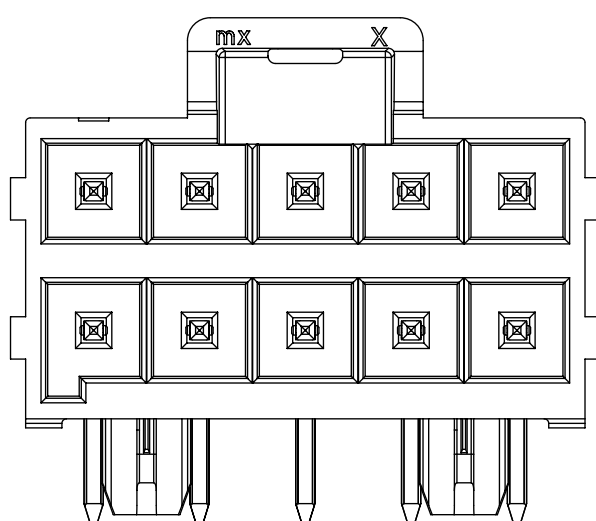
4 CKT



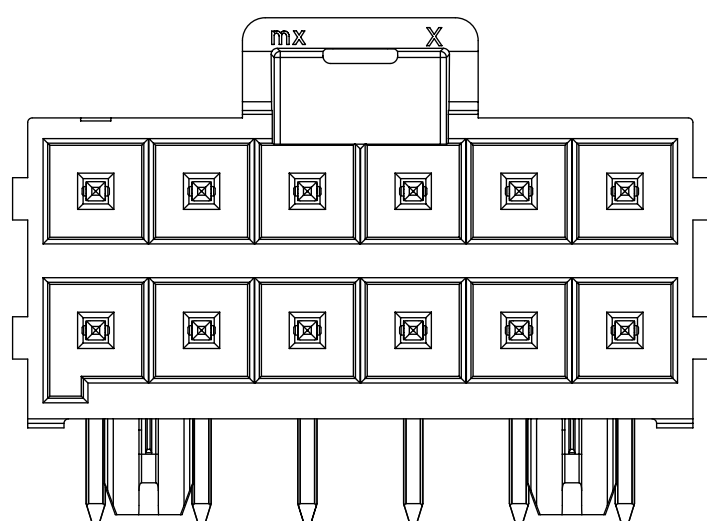
6 CKT



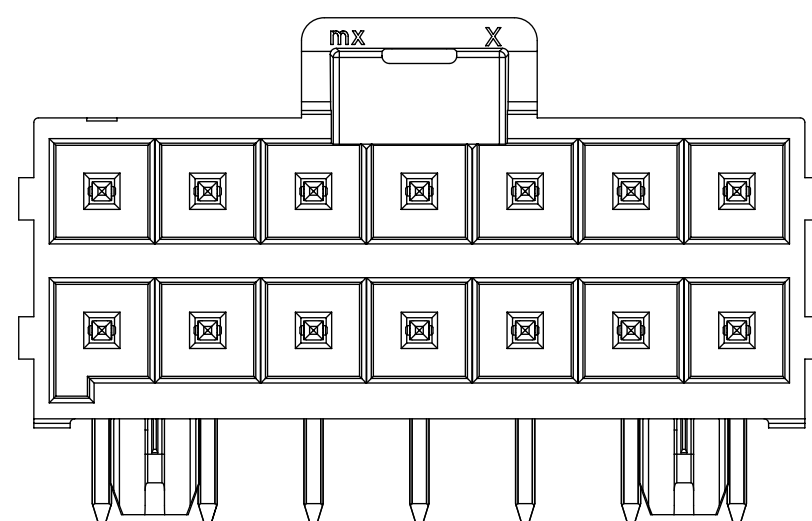
8 CKT



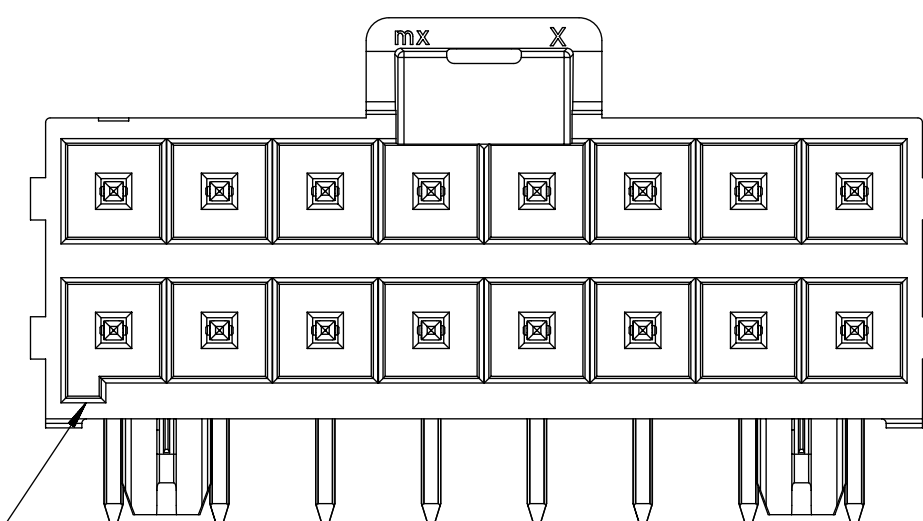
10 CKT



12 CKT

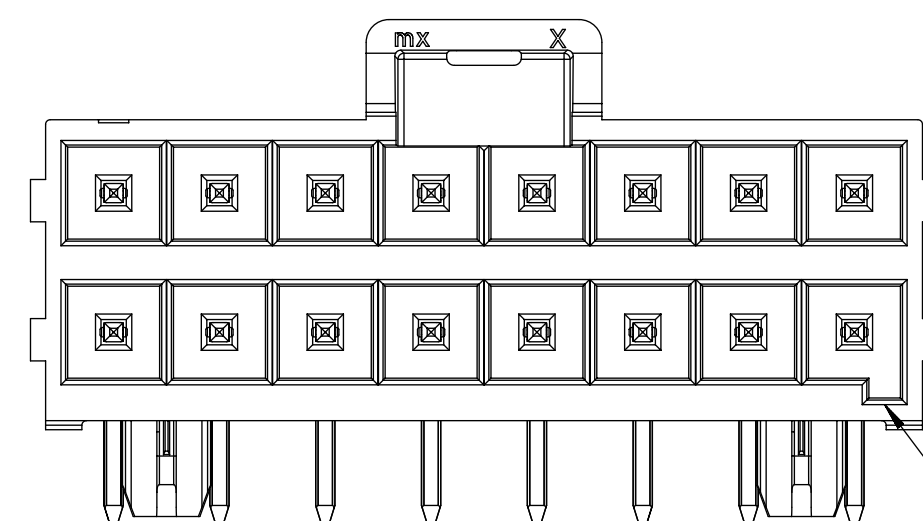


14 CKT



16 CKT

KEY A  
(BLACK)



KEY B  
(NATURAL)

|                                                      |  |                                                                                                                                               |  |
|------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------|--|
| FUNCTIONAL SYMBOLS                                   |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |
| DIMENSION UNITS                                      |  | SCALE                                                                                                                                         |  |
| mm                                                   |  | 1:1                                                                                                                                           |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |  | CURRENT REV DESC:                                                                                                                             |  |
| ANGULAR TOL ± °                                      |  | EC NO: 694874                                                                                                                                 |  |
| 4 PLACES ±                                           |  | DRWN: GLLI 2022/02/08                                                                                                                         |  |
| 3 PLACES ±                                           |  | CHK'D: XQZHANG 2022/02/14                                                                                                                     |  |
| 2 PLACES ± 0.25                                      |  | APPR: XQZHANG 2022/02/14                                                                                                                      |  |
| 1 PLACE ± 0.5                                        |  | INITIAL REVISION:                                                                                                                             |  |
| 0 PLACES ±                                           |  | DRWN: DROSCA 2014/03/06                                                                                                                       |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | APPR: JCOMERCI 2014/04/24                                                                                                                     |  |
| THIRD ANGLE PROJECTION                               |  | DRAWING                                                                                                                                       |  |
| D-SIZE                                               |  | SERIES                                                                                                                                        |  |
| 172316                                               |  | MATERIAL NUMBER                                                                                                                               |  |
| CUSTOMER                                             |  | SHEET NUMBER                                                                                                                                  |  |
| GENERAL MARKET                                       |  | 3 OF 3                                                                                                                                        |  |